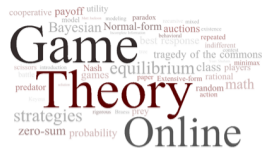


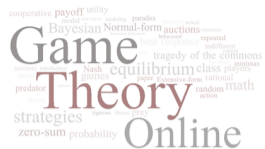


Imperfect Information Extensive Form: Poker

Game Theory Course:
Jackson, Leyton-Brown & Shoham



Extensive Form Games: Hidden Information



- Poker
 - Sequential play in betting/calling/folding
 - See some cards but not all
 - See bets and react to them

Extensive Form Games: Hidden Information



- Poker
 - Sequential play in betting/calling/folding
 - See some cards but not all
 - See bets and react to them
 - Have beliefs about rationality and motivations of other players

Extensive Form Games: Hidden Information



- Poker
 - Many possible hands!
 - Many betting strategies!

Extensive Form Games: Hidden Information



- Poker
 - Many possible hands!
 - Many betting strategies!
 - Impossible to draw the tree... However, there is much we can learn about such games.